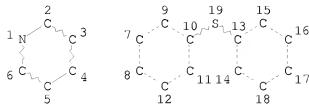


```
=> d l1
L1 HAS NO ANSWERS
L1 STR
```

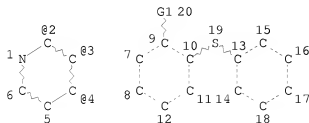


```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
```

```
GRAPH ATTRIBUTES:
RSPEC 4 13 10
NUMBER OF NODES IS 19
```

```
STEREO ATTRIBUTES: NONE
```

```
=> d l11
L11 HAS NO ANSWERS
L11 STR
```

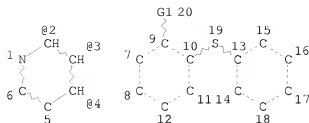


```
VAR G1=2/3/4
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
```

```
GRAPH ATTRIBUTES:
RSPEC 4 13 10
NUMBER OF NODES IS 20
```

```
STEREO ATTRIBUTES: NONE
```

```
=> d l13
L13 HAS NO ANSWERS
L13 STR
```



VAR G1=2/3/4
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC 4 13 10
 NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE

=> d his l14

(FILE 'REGISTRY' ENTERED AT 10:27:31 ON 16 SEP 2008)
 L14 263 SEARCH L13 SSS FUL

=> fil caplus
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST
 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
 CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
222.30	584.63
SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-11.20

FILE 'CAPLUS' ENTERED AT 10:30:41 ON 16 SEP 2008
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 16 Sep 2008 VOL 149 ISS 12
 FILE LAST UPDATED: 15 Sep 2008 (20080915/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 114

L15 6 L14

=> d bib 1-6

L15 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2007:1454990 CAPLUS

DN 148:61901

TI Crystalline forms of 4-[2-(4-methylphenylsulfanyl)phenyl]piperidine with combined serotonin and norepinephrine reuptake inhibition for the treatment of neuropathic pain

IN Bang-Andersen, Benny; Faldt, Andre; Stensboel, Tine Bryan; Miller, Silke; Lopez De Diego, Heidi

PA H. Lundbeck A/S, Den.

SO PCT Int. Appl., 71pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007144006	A1	20071221	WO 2007-DK50076	20070615
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRAI	DK 2006-816	A	20060616		
	US 2006-805009P	P	20060616		
	DK 2007-423	A	20070320		
RE.CNT	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L15 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2004:857401 CAPLUS

DN 141:332062

TI Preparation of [(phenylsulfanyl)phenyl]piperidine derivatives as serotonin reuptake inhibitors

IN Pueschl, Ask; Jorgensen, Morten; Ruhland, Thomas; Bryan, Stensbol Tine; Bang-Andersen, Benny

PA H. Lundbeck A/S, Den.

SO PCT Int. Appl., 91 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004087156	A1	20041014	WO 2004-DK244	20040402
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,			

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
 SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
 TD, TG

AU 2004226838	A1	20041014	AU 2004-226838	20040402
CA 2521258	A1	20041014	CA 2004-2521258	20040402
EP 1626720	A1	20060222	EP 2004-725291	20040402
EP 1626720	B1	20080903		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR

BR 2004008647	A	20060307	BR 2004-8647	20040402
CN 1780622	A	20060531	CN 2004-80009174	20040402
JP 2006522030	T	20060928	JP 2006-504349	20040402
MX 2005PA09592	A	20051018	MX 2005-PA9592	20050908
IN 2005CN02513	A	20070831	IN 2005-CN2513	20051004
NO 2005005208	A	20051104	NO 2005-5208	20051104
US 20060100242	A1	20060511	US 2005-551883	20051129

PRAI DK 2003-520 A 20030404
 US 2003-460528P P 20030404
 WO 2004-DK244 W 20040402

OS MARPAT 141:332062

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2004:202756 CAPLUS

DN 142:134387

TI Product subclass 4: benzothiepins and selenium/tellurium analogues

AU Schwan, A. L.

CS Dept. of Chemistry and Biochem., University of Guelph, Guelph, ON, N1G
 2W1, Can.

SO Science of Synthesis (2004), 17, 717-748

CODEN: SSCYJ9

PB Georg Thieme Verlag

DT Journal; General Review

LA English

RE.CNT 119 THERE ARE 119 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:282552 CAPLUS

DN 138:304306

TI Preparation of phenylpiperazines as serotonin reuptake inhibitors

IN Ruhland, Thomas; Smith, Garrick Paul; Bang-Andersen, Benny; Pueschl, Ask;

Moltzen, Ejner Knud; Andersen, Kim

PA H. Lundbeck A/S, Den.

SO PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2003029232	A1	20030410	WO 2002-DK659	20021002
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,			

	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
CA 2462110	A1	20030410	CA 2002-2462110 20021002
AU 2002333220	A1	20030414	AU 2002-333220 20021002
AU 2002333220	A2	20030414	
AU 2002333220	B2	20080207	
EP 1436271	A1	20040714	EP 2002-800051 20021002
EP 1436271	B1	20080220	
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK		
BR 2002012733	A	20041116	BR 2002-12733 20021002
CN 1561336	A	20050105	CN 2002-819025 20021002
JP 2005505585	T	20050224	JP 2003-532482 20021002
JP 3896116	B2	20070322	
HU 2004002313	A2	20050228	HU 2004-2313 20021002
NZ 531556	A	20051223	NZ 2002-531556 20021002
EP 1749818	A2	20070207	EP 2006-16609 20021002
EP 1749818	A3	20080402	
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, SK, TR, AL, LT, LV, MK, RO, SI		
AT 386730	T	20080315	AT 2002-800051 20021002
ES 2298425	T3	20080516	ES 2002-800051 20021002
ZA 2004001583	A	20050310	ZA 2004-1583 20040226
MX 2004PA02959	A	20040705	MX 2004-PA2959 20040330
KR 770194	B1	20071025	KR 2004-704897 20040402
NO 2004001628	A	20040421	NO 2004-1628 20040421
IN 2004CN00910	A	20060113	IN 2004-CN910 20040429
US 20050014740	A1	20050120	US 2004-488280 20040615
US 7144884	B2	20061205	
HK 1072600	A1	20080125	HK 2005-105260 20050623
US 20060084662	A1	20060420	US 2005-296835 20051206
US 7138407	B2	20061121	
US 20060089368	A1	20060427	US 2005-296836 20051206
US 7148238	B2	20061212	
AU 2006215994	A9	20061005	AU 2006-215994 20060914
AU 2006215994	A2	20061005	
AU 2006215994	A1	20061005	
JP 2007031447	A	20070208	JP 2006-271762 20061003
JP 3955614	B2	20070808	
JP 2007051149	A	20070301	JP 2006-271758 20061003
JP 3955613	B2	20070808	
US 20070060574	A1	20070315	US 2006-551188 20061019
KR 783346	B1	20071207	KR 2006-722562 20061027
KR 2007103515	A	20071023	KR 2007-722025 20070927
KR 842702	B1	20080701	
PRAI DK 2001-1466	A	20011004	
AU 2002-333220	A3	20021002	
EP 2002-800051	A3	20021002	
JP 2003-532482	A3	20021002	
WO 2002-DK659	W	20021002	
KR 2004-704897	A3	20040402	
US 2004-488280	A3	20040615	
KR 2006-722562	A3	20061027	

OS MARPAT 138:304306

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

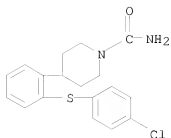
L15 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 1995:836619 CAPLUS
 DN 124:86950
 OREF 124:16343a,16346a
 TI 2H-Benzimidazoles (isobenzimidazoles). Part 10. Synthesis of
 polysubstituted o-phenylenediamines and their conversion into
 heterocycles, particularly 2-substituted benzimidazoles with known or
 potential anthelmintic activity
 AU Hazelton, Justine C.; Iddon, Brian; Suschitzky, Hans; Wolley, Ley H.
 CS Science Res. Inst., Univ. Salford, Salford, M5 4WT, UK
 SO Tetrahedron (1995), 51(39), 10771-94
 CODEN: TETRAB; ISSN: 0040-4020
 PB Elsevier
 DT Journal
 LA English
 OS CASREACT 124:86950

L15 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 1980:471569 CAPLUS
 DN 93:71569
 OREF 93:11633a,11636a
 TI Phenylthiophenylpiperidines
 IN Ong, Helen H.; Profitt, James A.
 PA American Hoechst Corp., USA
 SO U.S., 16 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4198419	A	19800415	US 1979-2349	19790110
	DE 2952066	A1	19800724	DE 1979-2952066	19791222
	JP 55094364	A	19800717	JP 1980-2517	19800110
	FR 2446282	A1	19800808	FR 1980-461	19800110
	FR 2446282	B1	19820521		
	GB 2040936	A	19800903	GB 1980-914	19800110
	GB 2040936	B	19830615		
PRAI	US 1979-2349	A	19790110		
OS	MARPAT 93:71569				

=> d hitstr 6

L15 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 IT 74442-94-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 74442-94-7 CAPLUS
 CN 1-Piperidinecarboxamide, 4-[2-[(4-chlorophenyl)thio]phenyl]- (CA INDEX
 NAME)



=> d hitstr 5

L15 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on SIN

IT 172362-57-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted phenylenediamines and their conversion into heterocyclic compds.)

RN 172362-57-1 CAPLUS

CN 1,2-Benzenediamine, 4-(phenylsulfonyl)-3-(4-piperidinyl)- (CA INDEX NAME)

